



HAWAII AGRICULTURAL

STATISTICS SERVICE

NASS

HAWAII MONTHLY LIVESTOCK REVIEW

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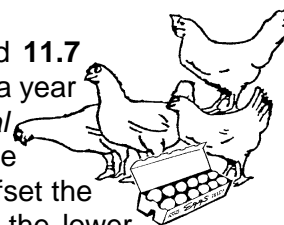
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DECEMBER EGG PRODUCTION 3 PERCENT BELOW YEAR AGO

Egg production during December 2000, totaled **11.7** million eggs (32,500 cases) 3 percent less than a year earlier, according to the *Hawaii Agricultural Statistics Service*. An increase in the average number of layers on hand was not enough to offset the decline in the average rate of lay, resulting in the lower production. The average number of layers on hand during December 2000 was 616,000 compared with 580,000 a year ago and 621,000 during November 2000. The average rate of lay was 1,899 eggs per 100 layers



(61.3 percent lay rate) compared with 2,086 (67.3 percent) a year ago. Cumulative egg production for 2000 was 143.0 million eggs, 7 percent below 1999.

U.S. EGG PRODUCTION

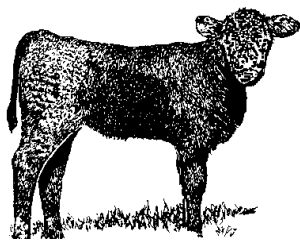
U.S. egg production totaled 7.28 billion during December 2000, down slightly from last year. Production included 6.20 billion table eggs and 1.08 billion hatching eggs, of which 1.02 billion were broiler-type and 63.0 million were egg-type. The total number of layers during December 2000 averaged 332 million, up 1 percent from the total average number of layers during December 1999. December egg production per 100 layers was 2,192 eggs, down 1 percent from 2,214 eggs in December 1999. December 2000 contained 21 weekdays, 1 holiday and five Saturdays, compared to 23 weekdays, 1 holiday and 4 Saturdays in December 1999.

All layers in the U.S. on January 1, 2001 totaled 332 million, up 1 percent from a year ago. The 332 million layers consisted of 274 million layers producing table or commercial type eggs, 55.2 million layers producing broiler-type hatching eggs, and 2.85 million layers producing egg-type hatching eggs. Rate of lay per day on January 1, 2001, averaged 70.3 eggs per 100 layers, down 1 percent from the 71.0 eggs a year ago. Laying flocks in the 30 major egg producing States produced 6.81 billion eggs during December 2000, down 1 percent from December 1999. The average number of layers during December, at 311 million, was up 1 percent from a year earlier.

Number of layers and egg production, State of Hawaii, December 2000 ¹

County	Number of layers on hand during month			Eggs per 100 layer		Total eggs produced			
	Dec. 1999	Nov. 2000	Dec. 2000	Dec. 1999	Dec. 2000	Dec. 1999	Dec. 2000	Year-to-date	
								1999	2000
	----- Thousands -----			--- Number ---		----- Millions -----			
Hawaii/Kauai/Maui	146	150	148	2,108	1,959	3.0	2.9	34.4	35.8
Honolulu	434	471	468	2,093	1,872	9.1	8.8	119.4	107.2
State	580	621	616	2,086	1,899	12.1	11.7	153.8	143.0

¹ State totals may not add due to rounding.



DECEMBER MARKETINGS 24 PERCENT ABOVE A YEAR AGO

Cattle marketings during December 2000 totaled 4,700 head, compared with 3,800 a year ago and 7,100 during November 2000. An increase in out-shipments more than offset the decline in local slaughter to account for the 24 percent rise in marketings. Cattle and calves shipped out-of-State totaled 3,600 head compared with 2,300 a year earlier and 5,900 during November. Year-to-date marketings for 2000 was 61,200 head, 16 percent below a year ago; while cumulative out-shipments for 2000 was 44,100 head, 21 percent behind a year ago.

Cattle Marketings, State of Hawaii, December 2000

Month	Total Marketings ¹		Exports ²							
	Number of Head ³		Number of Head						Average Live Weight	
			Steers		Heifers		Total ³			
	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000
December	3,800	4,700	1,500	2,400	800	1,100	2,300	3,600	320	390
Year-to-date ⁴	73,000	61,200	31,700	25,800	23,800	18,300	55,500	44,100	400	380

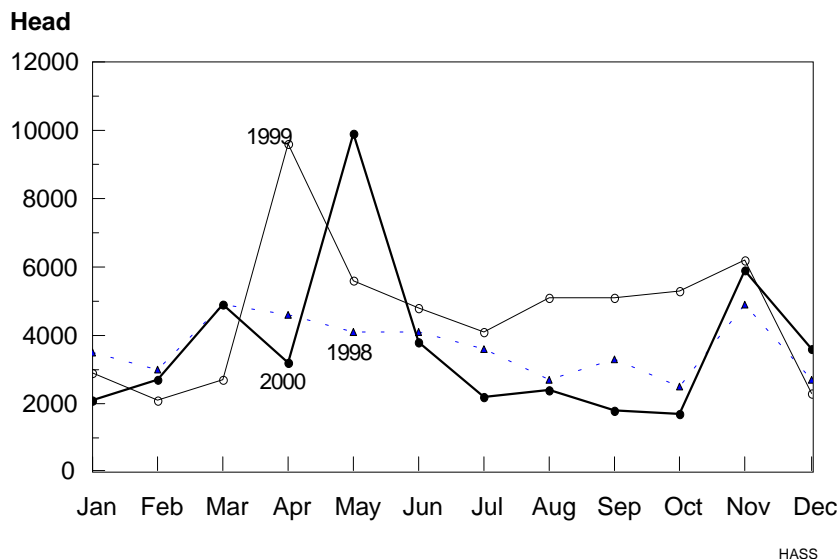
¹ Sum of Commercial Slaughter and Exports.

² Cattle and calves shipped out-of-State.

³ Total may not add to sum due to rounding.

⁴ Includes any revisions made to previous month figures.

CATTLE & CALF OUTSHIPMENTS STATE OF HAWAII, 1998-2000



SLAUGHTER CATTLE (U.S.)

Weekly Simple Average of Daily Quotations, Choice 2-4

Dollars per 100 pounds

Week ending	Steers	Heifers
	(1,100 - 1,300 pounds)	(1,000 - 1,200 pounds)
from California		
1-13-01	76.33	—
1-27-01	76.00	—
from Sioux Falls		
1-13-01	76.75	74.50
1-27-01	76.25	75.75

Source: Livestock, Meat and Wool Weekly Summary and Statistics; **Agricultural Marketing Service, Livestock and Seed Division**

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COMMERCIAL BEEF PRODUCTION 13 PERCENT BELOW A YEAR AGO

Commercial beef production (local slaughter) during December totaled 658,000 pounds compared with 753,000 pounds a year earlier. Commercial kill for December 2000 totaled 1,100 head, 400 fewer than a year ago. Average live weight per head, at 1,061 pounds, was 17 percent heavier than a year ago. Cumulative production for 2000 was 8.8 million pounds, 1 percent below a year ago.

U.S. BEEF PRODUCTION

Beef production, at 2.00 billion pounds, was 5 percent below the previous year. Cattle slaughter totaled 2.72 million head, down 5 percent from 1999. The average live weight was down 1 pound from the previous year, at 1,224 pounds.

PORK PRODUCTION 1 PERCENT ABOVE A YEAR AGO

Commercial pork production during December totaled 556,000 pounds, compared with 552,000 pounds a year ago. Total hog kill of 3,600 head was unchanged from a year ago. The average live weight, at 207 pounds, was the same as a year ago. Cumulative production for 2000 was 5.5 million pounds, fractionally above a year earlier.

percent from the previous year. Hog kill totaled 8.09 million head, 9 percent below 1999. The average live weight was 4 pounds above the previous year, at 265 pounds.

U.S. PORK PRODUCTION

Pork production totaled 1.58 billion pounds, down 7

Commercial slaughter, State of Hawaii, December 2000 ¹

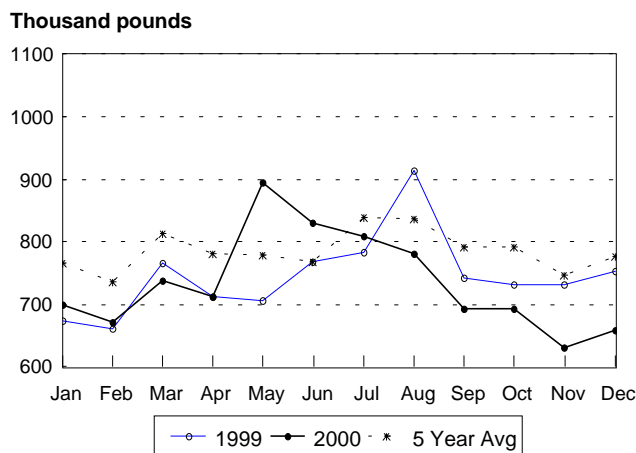
Species	Number of head		Average live weight		Total live weight ²		Total dressed weight	
	1999	2000	1999	2000	1999	2000	1999	2000
----- pounds -----								
Cattle								
December	1,500	1,100	907	1,061	1,371	1,198	753	658
Year-to-date	17,500	17,000			16,294	16,048	8,945	8,810
Hogs ³								
December	3,600	3,600	207	207	736	741	552	556
Year-to-date	36,000	35,800			7,367	7,375	5,525	5,531

¹ Excludes non-inspected farm slaughter and live cattle and calves shipped out-of-state; includes custom slaughter.

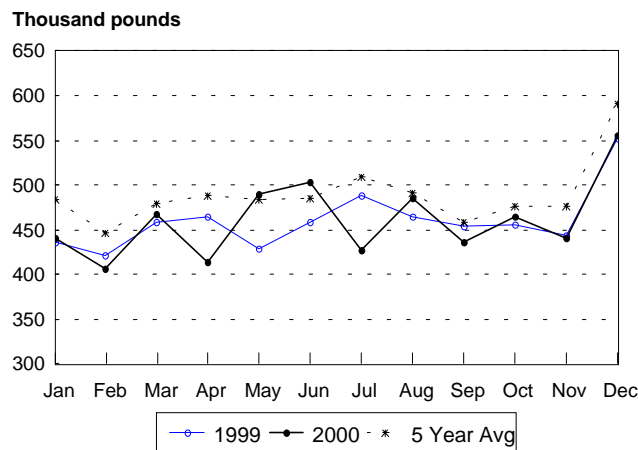
² Estimates based on 54.9 dressing percentage for cattle; 75.0 dressing percentage for hogs.

³ Excludes non-inspected farm slaughter; includes custom slaughter and live hog inshipments from the mainland for slaughter.

Commercial Beef Production, State of Hawaii
2000, with comparisons



Commercial Pork Production, State of Hawaii
2000, with comparisons



PASTURE AND LIVESTOCK CONDITION, JANUARY 1, 2001



Hawaii County

Hilo and Puna: A relatively dry December allowed the district time to dryout from the inundation received the previous month.

Rain gage stations recorded rainfall totals ranging from 24 to 38 percent of normal. Although rainfall was below normal, each rain gage station recorded rainfall totals above 4 inches, enough to stimulate and sustain pasture growth and development. As a result, forage availability was good. With the sunnier periods, pasture conditions were fair to good. Stock water supplies were adequate. Cattle and calves were in fair to good condition. Year-to-date rainfall totals ranged from 94% to 114% of normal.

Ka'u: A dry December allowed soggy pastures to dryout and ranchers the ability to cleanup debris left by November's flooding. The two rain gage stations in Ka'u registered rainfall totals of 1% and 6% of normal for December. Although this dry weather afforded the area time to recover, it has also resulted in lower soil moisture levels in some sections, and as a result, a need for more precipitation to help sustain grass growth. Specifically, Kahuku and South Point pastures which were not affected by the flooding and had only light to medium forage growth last month were in need of moisture for pasture development and soil moisture recovery. Stock water supplies were adequate. Cattle and calves were in fair to good condition.

Kona: On the average Kona was the driest district on Hawaii during December, with rainfall totals amounting to roughly .06 to .24 inches at the rain gage stations. The dry weather conditions returned soil moisture levels to below normal levels. Old feed was available, but prospects for new grass was poor. Cattle and calves were in fair to good condition. Year-to-date rainfall totals for Central Kona ranged from 34% to 59% below normal.

Kohala: Like Kona, rainfall totals in Kohala were light, ranging from 5% to 40% (at Upolu) of normal. Although many pastures started their recovery from drought conditions experienced during recent years with the November rains; dry weather during December seemed to be offsetting. Pastures in many areas were drying and soil moisture levels were moving back to below normal levels. Cool temperatures at the middle to higher elevations also slowed grass growth. Leeward

sectors continued dry with sparse forage growth. Pastures ranged from poor to good condition. Soil moisture levels were adequate, but more rain was needed. Cattle and calves were in fair to good condition.

Hamakua: Only light rains during December slowed pasture progress, but soil moisture levels were still sufficient to maintain most in fair to good condition. Frequent sunny periods were beneficial to pastures at the lower to middle elevations. Cooler temperatures and the lack of rainfall at the higher elevations left forage supplies and stock water levels low. Some ranchers resumed the hauling of stock water supplies and feeding of supplements. The condition of cattle and calves ranged from fair to good.

Honolulu County

Rainfall activities from November did not carry over into December. As a result, in relative terms the island was dry as no area received rainfall above 30% of normal for the month. However, most windward areas and some down-wind leeward areas off of the Koolau mountains received showers which totaled over an inch for the month. Much more rainfall, however, is needed to stimulate and maintain pasture recovery. The majority of leeward pastures continued very dry and in poor condition. Rainfall totals over agricultural areas ranged from a low of 4% in Kunia to a high of 28% in Punaluu during December, while the year 2000 rainfall totals ranged from 17% in Waianae to 71% in Luluku. Pastures on the island ranged from fair to poor condition. Cattle and calf were in fair condition.

Kauai County

Several cold fronts which passed through the island before dissipating provided sufficient rainfall over the northern sector of the island to be beneficial. Most northeastern facing areas also benefitted from these showers. Elsewhere, rainfall amounts were far below normal for the month, but still provided more than an inch of rain for the month. Extreme leeward sectors were mostly dry. Rainfall totals for the month ranged from 14% of norm in Omao to 133% of norm in Wainiha. Year 2000 rainfall totals ranged from 37% to 70% of normal. Most pastures were in fair condition with fair amounts of old feed available. Most cattle and calves were in fair condition.

Maui County

A very dry December dimmed hopes for the recovery of drought-stricken pastures this winter. Moisture

accumulation from rainfall during November helped maintain most pastures in fair to good condition for much of the month, but the very dry conditions during December negated whatever recovery the pastures had made. All rain gage stations reported rainfall totals for December below 33%, with more than half of these stations reporting totals below 10% of norm for the month. Rainfall totals for the month ranged from 0% to 32% of norm (with Hana recording the most rainfall at just under 2 inches of rain), while year 2000 rainfall totals ranged from 25% to 82% of normal. On the whole, pasture conditions ranged from fair to good

condition. Cool temperatures at the upper elevations has also contributed to slowing of grass growth. Stock water supplies were adequate. Cattle and calves were in fair to good condition.

Rainfall Data Source: National Weather Service Forecast Office.
NWS-NOAA.

Disclaimer: Data from Hydronet state-wide network of automated rain gages. Gages are not certified and rainfall information is provided for informational purposes only.

2000 EGG PRODUCTION 4 PERCENT BELOW YEAR AGO

Egg production during the year ending November 30, 2000 totaled **143.4** million eggs, 4 percent lower than in the previous year and the 10th consecutive year of decline. This is the lowest egg production since 1960.

AVERAGE NUMBER OF LAYERS DOWN 2 PERCENT FROM YEAR AGO

The average number of layers during the 2000 marketing year averaged **604,000**, a 2 percent decline from the previous year and the 12th consecutive year of decline. This is the lowest average number of layers on hand since records began in 1960.

EGGS: December 1 number of layers, production, by county, 1996 - 2000

Year	Average number of layers	Average production per layer	Production
	1,000 birds	Eggs	Million eggs
State			
1996	754	237	179.0
1997	724	238	172.0
1998	632	244	154.4
1999	615	242	149.0
2000	604	237	143.4

DECEMBER 1, CHICKEN INVENTORY FRACTIONALLY ABOVE YEAR AGO

The number of all chickens, egg-type layers and non-laying pullets, on hand December 1, 2000 totaled 722,000 birds compared with 721,000 a year earlier, virtually unchanged from a year earlier, and ending an 8-year decline.

The number of laying birds on hand December 1, 2000 totaled 609,000, an increase of 4 percent from the previous year. Non-laying pullets, under 20 weeks old on December 1, totaled 113,000 birds.

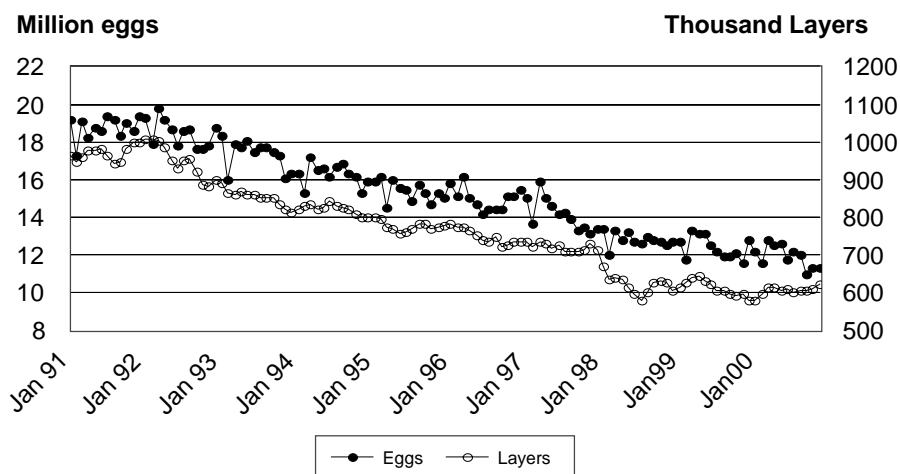
CHICKENS: December 1 inventory by class, by islands, 1996 - 2000

Year	All chickens (excluding broilers)	Number of layers			Non-laying pullets		Other chickens (excluding broilers)
		Hens 1 year +	Pullets under 1 year	Total	Over 3 months	Under 3 months	
----- Thousands -----							
State							
1996	876	490	235	725	76	75	*
1997	863	465	263	728	55	80	*
1998	747	408	199	607	77	63	*
1999	721	404	184	588	70	63	*
2000	722	435	174	609	56	57	*
Hawaii / Kauai / Maui County ¹							
1996	161	95	58	153	8	0	*
1997	150	80	64	144	6	0	*
1998	146	82	58	140	0	6	*
1999	153	92	56	148	0	5	*
2000	152	95	53	148	0	4	*
Honolulu County							
1996	715	395	177	572	68	75	*
1997	713	385	199	584	49	80	*
1998	601	326	141	467	77	134	*
1999	568	312	128	440	70	58	*
2000	570	340	121	461	56	53	*

* = Less than 500.

¹ Counties of Kauai and Maui combined with Hawaii to avoid disclosure of individual operations.

EGG PRODUCTION vs LAYERS State of Hawaii, 1991 - 2000



HASS

DECEMBER MILK HIGHER BUT

2000 OUTPUT LOWER



Hawaii's dairy cows produced **8.8** million pounds of milk during December, increasing 5 percent from November of this year and 1 percent above December of last year. The cow inventory, both dry and in milk, totaled 7,500 head, down 3 percent from November and 12 percent lower than December 1999. Cows averaged 1,175 pounds of milk during the month, up 8 percent from November and 15 percent above last December. Production for 2000 was down 3 percent from the same period a year ago to 116.3 million pounds. About one-third of the milk came from the Big Island where production has been increasing.

U.S. PRODUCTION UNCHANGED

Milk production in the 20 major States during December totaled 11.9 billion pounds, virtually unchanged from production in these same States in December 1999. November revised production, at 11.4 billion pounds was up 1.1 percent from November 1999. The November revision represented a decrease of 0.5 percent or 52 million pounds from last month's preliminary production estimate. Production per cow in the 20 major States averaged 1,522 pounds for December, 16 pounds below December 1999. The number of cows on farms in the 20 major States was 7.84 million head, 81,000 head more than December 1999 but 4,000 head less than November 2000.

Milk cows and milk production, State of Hawaii, December 2000

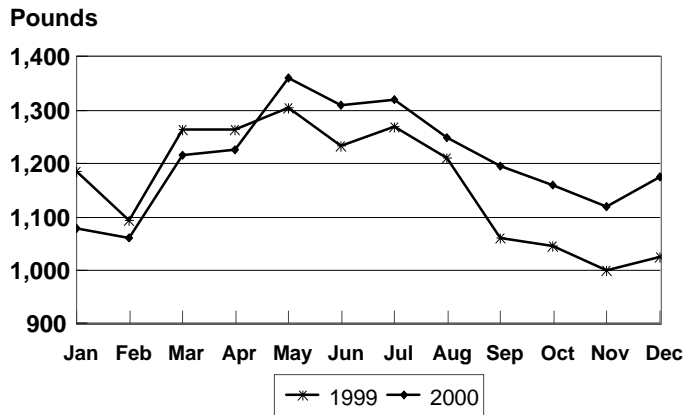
County	All milk cows ¹²³			Milk per cow ³		Milk production ¹³			
	Dec. 1999	Nov. 2000	Dec. 2000	Dec. 1999	Dec. 2000	Dec. 1999	Dec. 2000	Year-to-date	
								1999	2000
	----- Number -----			--- Pounds ---		----- 1,000 pounds -----			
Hawaii/Kauai	2,990	2,670	2,710	875	1,005	2,620	2,725	33,800	38,095
Honolulu	5,500	5,000	4,800	1,105	1,260	6,075	6,045	85,900	78,220
State	8,500	7,700	7,500	1,025	1,175	8,700	8,800	119,700	116,300

¹ State totals may not add due to rounding.

² Includes dry cows and cows on non-commercial dairy farms.

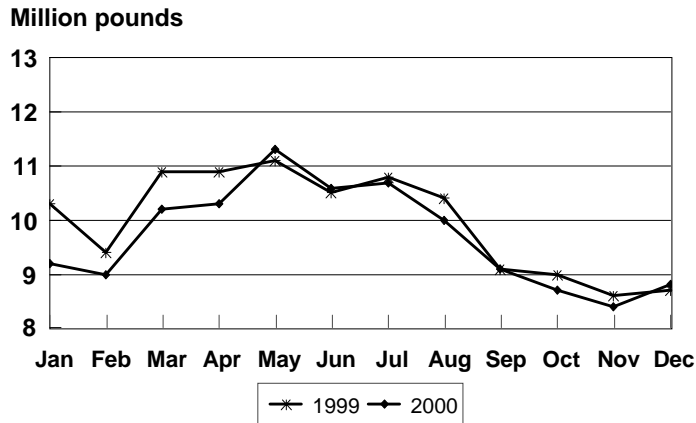
³ Figures for 2000 are preliminary.

Milk Production Per Cow, State of Hawaii, 1999-2000



HASS

Total Milk Production, State of Hawaii, 1999-2000



HASS

Average farm prices, State of Hawaii, December 2000

Commodity		December 1999	November 2000	December 2000
----- cents per pound -----				
Range steers and heifers ¹	- dressed weight	78.0	79.0	79.0
	- (live weight equivalent)	(42.9)	(43.4)	(43.4)
Cows ¹	- dressed weight	47.0	53.0	51.0
	- (live weight equivalent)	(25.8)	(29.1)	(28.0)
Market hogs ^{1 2}	- dressed weight	108.5	112.0	110.5
	- (live weight equivalent)	(81.5)	(84.0)	(82.9)
----- dollars per 100 pounds -----				
Milk		24.96	24.58	25.00
----- cents per dozen -----				
Eggs ³		86.5	83.0	83.0

¹Equivalent delivered slaughterhouse for sales on island of production and delivered shippers dock for off-island sales. Factors of 0.549 and 0.75 used to convert dressed weight prices to live weight equivalent for cattle and hogs, respectively.

² Includes roasters.

³ Prices are for all eggs, equivalent delivered processing plant. Preliminary prices are based on processor reports from Hawaii, Kauai, Maui and adjusted Market Analysis & News Branch wholesale prices for Oahu. Final prices are based on processor reports from all islands.